

# United States Patent [19]

Fedorov et al.

[11] Patent Number: 4,605,411

[45] Date of Patent: Aug. 12, 1986

[54] ANTERIOR-CHAMBER INTRAOCULAR  
PROSTHETIC LENS

[75] Inventors: Svyatoslav N. Fedorov; Sergei I.  
Anisimov; Alexandr A. Karavaev;  
Vladimir G. Kisellev, all of Moscow;  
Jury A. Juzhelevsky, Leningrad;  
Evgeny I. Degtev, Moscow, all of  
U.S.S.R.

[73] Assignee: Moskovsky Nauchno-Issledovatsky  
Institut Mikrokhirurgii Glaza,  
Moscow, U.S.S.R.

[21] Appl. No.: 777,022

[22] Filed: Sep. 17, 1985

[30] Foreign Application Priority Data

Sep. 27, 1984 [SU] U.S.S.R. .... 3795791

[51] Int. Cl.<sup>4</sup> ..... A61F 2/16

[52] U.S. Cl. .... 623/6

[58] Field of Search ..... 623/6

[56] References Cited

## U.S. PATENT DOCUMENTS

4,253,200 3/1981 Kelman ..... 623/6  
4,254,510 3/1981 Tennant ..... 623/6

4,277,851 7/1981 Choyce ..... 623/6  
4,442,553 4/1984 Hessburg ..... 623/6  
4,535,488 8/1985 Haddad ..... 623/6

## FOREIGN PATENT DOCUMENTS

545352 5/1977 U.S.S.R. .... 623/6

## OTHER PUBLICATIONS

"Nuevos Modelos de Lentes Plasticas de Camara Anterior" by Barraquer, Joaquin, *Anales del Instituto Barraquer*, Sep. 1961, pp. 345-352, vol. II, No. 3.

Primary Examiner—Ronald L. Frinks

Attorney, Agent, or Firm—Burgess, Ryan & Wayne

[57] ABSTRACT

An optical lens is secured to supporting setting platforms, of which one is formed by a circumferential sector conjugated with the optical element (lens) so as to form shoulders. The other of said platforms is formed by two rounded-off radial portions conjugated with each other and with the optical element. Both of the platforms have biconcave surfaces, and one of these is thicker than the other.

2 Claims, 9 Drawing Figures

